

The impact of the NSCAT wind on simulating the North Atlantic ocean circulation

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Abstract

The NSCAT along-track wind is systematically compared with the **ECMWF** operational wind over the North Atlantic ocean. We computed the spatial correlation between the two datasets. A detailed **wavenumber** spectral comparison will be presented.

Results show that the NSCAT wind has significantly higher energy than the **ECMWF** wind, particularly in the high wavenumber (50 km to 300 km wavelength) region. Preliminary results using the NSCAT and **ECMWF** winds to drive a North Atlantic **eddy**-resolving ocean model will also be presented.

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